

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/000,424	GOMEZ, RAFAEL	
	<b>Examiner</b>	<b>Art Unit</b>	
	Thien D. Tran	2665	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/03/2005.
2. ☒ The allowed claim(s) is/are 1,4-31 renumbered as 1-29 respectively.
3. ☒ The drawings filed on 31 October 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>20050803</u>.</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____.</li> </ol> |
|---|--|

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Stephen Ford on 08/03/2005.

The claims have been amended as follows:

Claim 1, at the end of the claim, after "primary line interface unit" change "." To --- ; ---, and next line, increase indent, add --- a secondary cross-connect switch coupled between the secondary line interface unit and the secondary processing subsystem, the primary cross-connect switch configurable to connect either one of the primary line interface unit and the primary processing subsystem to the secondary cross-connect switch and the secondary cross-connect switch configurable to connect either one of the secondary line interface unit and secondary processing subsystem to the primary cross-connect switch, wherein the primary processing subsystem is automatically disconnected by the primary cross-connect switch from the primary line interface unit and the secondary processing subsystem is automatically connect through the primary and secondary cross-connect switches to the primary line interface unit.---

Claim 2 (cancel).

Claim 3 (cancel).

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Claim 9, line 7, before "disconnecting" add ---automatically---.

Claim 9, line 8, before "disconnecting" add ---automatically---.

Claim 9, line 9, before "connecting" add ---automatically---.

Claim 14, line 7, after "processing system" add ---thereby the processing system is automatically disconnected by a primary cross-connect switch from the line interface unit and automatically connected a second processing system to the line interface unit through a second cross-connect switch ---.

Claim 20, line 7, after "processing system" add ---thereby the processing system is automatically disconnected by a primary cross-connect switch from the line interface unit and automatically connected a second processing system to the line interface unit through secondary cross-connect switch ---.

Claim 26, line 7, after "processing system" add ---thereby the processing system is automatically disconnected by a primary cross-connect switch from the line interface unit and automatically connected a second processing system to the line interface unit through secondary cross-connect switch ---.

### **REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior arts fail to teach or fairly suggest a network processing system, comprising:

a primary processing subsystem is automatically disconnected by a primary cross-connect switch from a primary line interface unit and a secondary processing subsystem is automatically connected through the primary and a

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secondary cross-connect switches to the primary line interface unit, in combination with other limitations as specified in the independent claim 1.

Regarding claim 9, the prior arts fail to teach or fairly suggest a switch, comprising:

the switch automatically disconnecting from a first line interface unit and automatically connecting to a second line interface unit when the first line interface unit fails and automatically disconnecting from a first packet processing circuit and automatically connecting to a second packet processing circuit when the first packet processing circuit fails, in combination with other limitations as specified in the independent claim 9.

Regarding claims 14, 20, 26, the prior arts fail to teach or fairly suggest a method or system for connecting components together in a network processing system comprising:

switching out the line interface unit when the line interface unit fails while maintaining operation of the processing system, thereby a processing system is automatically disconnected by a primary cross-connect switch from the line interface unit and automatically connected a second processing system to the line interface unit through a second cross-connect switch, in combination with other limitations as specified in the independent claims 14, 20, 26.

### ***Conclusion***

3. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Thien Tran whose telephone number is (571)

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272-3156. The examiner can normally be reached on Monday-Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached on (571) 272-3155. Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

Patent Examiner

Thien Tran

**DUCHO  
PRIMARY EXAMINER**

*Ducho*

*8-19-05*